Index of Claims

Application/Control No.

10/726,071 Examiner

Johnnie L. Smith II

Applicant(s)/Patent under Reexamination

CHANG ET AL.

Art Unit

2881

| <b>√</b> | Rejected |  |
|----------|----------|--|
| =        | Allowed  |  |

(Through numeral) Cancelled

Restricted

Non-Elected N Interference

**Appeal** Α 0 Objected

|          |          | L                   |  |              |              |  | J            |              | Щ        | <u> </u>     |     |       |          |  |              |              |                                     | J        | ــــا    | L        | - |
|----------|----------|---------------------|--|--------------|--------------|--|--------------|--------------|----------|--------------|-----|-------|----------|--|--------------|--------------|-------------------------------------|----------|----------|----------|---|
| Cla      | aim      | _                   |  |              | (            | Date   | e            |              |          |              |     | Cla   | im       |  |              |              |                                     | Date     |          |          | _ |
| Final    | Original | 3/4/05              |  |              |              |  |              |              |          |              |     | Final | Original | 3/4/05   |              |              |                                     |          |          |          |   |
|          | 1        | +                   | -  | $\vdash$     | -            | ┝  | -            | ┢            | $\vdash$ | ┢            |     |       | 51       | ÷  | ┢╾           |              |                                     |          | <u> </u> | -        | ł |
|          | 2        | i :                 | -  | $\vdash$     | $\vdash$     |  | <u> </u>     | ┢            | $\vdash$ | -            |     |       | 52       | i  | -            | -            | $\vdash$                            | ┢╌       |          | $\vdash$ | t |
|          | 3        | H                   |  |              | -            |  | $\vdash$     | ┢            | $\vdash$ | ┢            |     |       | 53       | $\forall$  | Н            |              | T                                   |          | H        | ┢        | t |
|          | 4        | $\top$              |  |              |              |  |              |              |          |              |     |       | 54       | П  |              | İ            |                                     |          |          | Г        | t |
|          | 5        | 1                   |  | _            |              |  |              |              |          |              |     |       | 55       | П  |              |              | Γ                                   |          |          |          | Ī |
|          | 6        |                     |  |              |              |  |              |              |          |              |     |       | 56       |  |              |              |                                     |          |          |          | I |
|          | 7        |                     |  |              |              |  |              |              |          |              |     |       | 57       | Ц  |              |              | L                                   |          |          |          | l |
|          | 8        | 1                   |  | _            | _            |  |              |              |          |              |     |       | 58       | Ш  |              |              | _                                   |          | <u> </u> |          | ļ |
|          | 9        | 1                   |  | <u> </u>     | <u> </u>     |  | _            | _            | <u> </u> | _            |     |       | 59       | Ш  | _            | _            |                                     |          | <u> </u> | _        | ŀ |
| <u> </u> | 10       | 1                   |  | _            | _            | _  | ļ            | <u> </u>     | <u> </u> | _            |     |       | 60       | ₩  | _            |              | <del> </del> -                      | <u> </u> | _        | <u> </u> | ŀ |
|          | 11       | H                   | <u> </u>   |              | <del> </del> | -  |              | -            | ⊢        | <u> </u>     |     |       | 61       | H  |              |              | <del> </del>                        | -        | $\vdash$ | ⊢        | ł |
| -        | 12<br>13 | H                   |  |              | <del> </del> | _  | -            | $\vdash$     | ⊢        | $\vdash$     |     |       | 62<br>63 | ╁┼   | -            |              | ├                                   |          | ┢        | ⊢        | ł |
|          | 14       | ╫                   |  | -            |              | -  |              | -            | ┢        | _            |     | -     | 64       | ╁  | -            | <del> </del> | ┝                                   |          | ┢        | ┢        | ł |
| $\vdash$ | 15       | ╂╴                  |  |              | -            | -  | -            | ⊢            | $\vdash$ |              |     |       | 65       | H  | ├            | -            | ├                                   |          | $\vdash$ | $\vdash$ | ł |
| -        | 16       | ╫                   | -  | -            | -            | H  | $\vdash$     | $\vdash$     | -        | -            |     |       | 66       | H  | -            | -            | -                                   |          |          | $\vdash$ | ł |
| -        | 17       | -                   |  | ┢            |              | Н  |              | -            | -        | $\vdash$     |     |       | 67       | <b>††</b>  |              |              |                                     |          | ┢        | $\vdash$ | t |
|          | 18       | H                   |  | H            |              | Г  | _            | ┪            | 一        | $\vdash$     |     |       | 68       | П  |              |              |                                     |          | $\vdash$ |          | t |
|          | 19       | H                   |  |              |              |  |              | Г            | _        |              |     |       | 69       | $\sqcap$   |              | İ            |                                     |          | _        | _        | t |
|          | 20       | Π                   |  |              | П            |  |              |              |          |              |     |       | 70       | П  |              |              |                                     |          |          |          | İ |
|          | 21       | $\prod$             |  |              |              |  |              |              |          |              |     |       | 71       | П  |              |              |                                     |          |          |          | I |
|          | 22       | Ш                   |  |              |              |  |              |              |          |              |     |       | 72       | Ц  |              |              |                                     |          |          |          | l |
|          | 23       | Ш                   |  |              |              |  |              |              |          |              |     |       | 73       | 1  |              |              |                                     |          |          |          | ļ |
|          | 24       | Ц.                  |  |              |              |  | _            | <u> </u>     |          | _            |     |       | 74       | L  | _            | _            |                                     |          | _        | <u> </u> | ļ |
|          | 25       | Щ.                  |  | _            |              |  | <u> </u>     | <u> </u>     | <u> </u> |              |     |       | 75       | L-   | _            |              |                                     |          | <u> </u> | <u> </u> | ļ |
| <u> </u> | 26       | ╙                   |  |              | _            |  | <u> </u>     |              |          | <u> </u>     |     |       | 76       | -  | <u> </u>     |              | -                                   | _        |          | -        | ł |
| -        | 27       | Н-                  |  | 1            |              |  | <del> </del> |              |          | <del> </del> |     |       | 77<br>78 | $\vdash$   |              | -            | ┢                                   | -        | -        | -        | ł |
|          | 28<br>29 | ╫                   | -  | -            | ├            | -  | -            |              | ⊢        | ┢            |     |       | 79       | ┢  |              |              | -                                   | ├        | ⊢        | ⊢        | ł |
| -        | 30       | ╫                   |  | -            | -            |  | -            | -            | -        | ┢            |     |       | 80       | ┢  |              | -            | -                                   | -        | ┢        | ┢        | ł |
| -        | 31       | Н                   |  |              |              |  | -            | <del> </del> | ┝        | $\vdash$     | i   |       | 81       | ┢  | <del> </del> | -            | ╁                                   | -        | ┢╾       | ┢        | ł |
|          | 32       | 1                   |  |              | $\vdash$     |  | _            | ┢            | ┢        | $\vdash$     |     |       | 82       | l  |              |              | -                                   |          | $\vdash$ | ┢        | t |
|          | 33       | 1                   |  | -            | _            | _  |              |              | Г        |              |     |       | 83       | T  |              |              |                                     |          |          | Г        | İ |
|          | 34       | П                   |  |              | Γ            |  |              |              |          |              | 1   |       | 84       |  |              |              |                                     |          |          | Г        | İ |
|          | 35       |                     |  |              |              |  |              |              |          |              |     |       | 85       |  |              |              |                                     |          |          |          | I |
|          | 36       |                     |  |              |              |  |              |              |          |              |     |       | 86       |  |              |              |                                     |          | L        | L        | l |
|          | 37       | $\sqcup$            | _  | L.           |              | <u> </u>   |              | _            | L        | <u> </u>     |     |       | 87       | <u>_</u>   | <u> </u>     | L            | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ |          | L        | L        | ļ |
| <u> </u> | 38       | Н                   | <u> </u>   | lacksquare   | <u> </u>     | <u> </u>   | _            | <u> </u>     | <u> </u> | <b> </b>     |     |       | 88       | _  | $\vdash$     | $\vdash$     | _                                   | L        | <u> </u> | <u> </u> | ļ |
| $\vdash$ | 39       | $oldsymbol{\sqcup}$ | ⊢  | <u> </u>     | ₩            |  | _            | <u> </u>     |          | <del> </del> |     |       | 89       | <del> </del>                                     | $\vdash$     | $\vdash$     | $\vdash$                            |          |          |          | ļ |
| <u> </u> | 40       | H                   | ├  |              | ├            | ├-   | -            |              | -        |              |     |       | 90<br>91 | <u> </u>   | <u> </u>     | _            |                                     | -        | ├-       | ⊢        | ł |
|          | 41<br>42 | +                   | $\vdash$   | ├-           | -            | $\vdash$   | -            | ₩            | 1        | $\vdash$     |     |       | 91       | $\vdash$   | $\vdash$     | -            | ├                                   | -        | $\vdash$ | ├        | ł |
| -        | 42       | ⊬                   | ⊢  | $\vdash$     | $\vdash$     | $\vdash$   | $\vdash$     | $\vdash$     | -        | ├            | { } |       | 93       | -  | ⊢            | ┝            | ├                                   | $\vdash$ | $\vdash$ | ┈        | ł |
| <u> </u> | 43       | #                   | -  | ╁            | $\vdash$     | -  | -            | -            | $\vdash$ | $\vdash$     |     |       | 94       | <del>                                     </del> | $\vdash$     | $\vdash$     | $\vdash$                            | $\vdash$ | $\vdash$ | $\vdash$ | t |
| -        | 45       | <b>/</b> -          | <u> </u>   | <del> </del> | 1            | <del>                                     </del> | -            | t            |          | H            | 1   |       | 95       |  | $\vdash$     |              | 1                                   |          | $\vdash$ | ┢        | t |
| -        | 46       |                     |  | H            | 1            | $\vdash$   | <u> </u>     | H            | $\vdash$ | Т            |     | -     | 96       | 1  | $\vdash$     |              | $\vdash$                            |          | _        | $\vdash$ | t |
|          | 47       | 一                   | <del>                                     </del> | 1            | Т            | T  | Т            | Ħ            | Т        | T            | i   |       | 97       | 1  |              | T            | t                                   |          |          |          | t |
|          | 48       |                     |  |              | Г            |  |              |              |          |              |     |       | 98       |  |              |              |                                     |          |          |          | j |
|          | 49       |                     |  |              |              |  |              |              | L        |              |     |       | 99       |  |              |              |                                     |          |          |          | Ī |
|          | 50       | ÷                   |  |              |              |  |              |              | L        |              | J   |       | 100      |  |              |              |                                     |          |          |          | ĺ |
|          |          |                     |  |              |              |  |              |              |          |              |     |       |          |  |              |              |                                     |          |          |          | Ĭ |

|           | Cigiiii                          |  |          |  | _        | Jak    | _ |          |                                     | _        |
|-----------|----------------------------------|--|----------|--|----------|--------|---|----------|-------------------------------------|----------|
| Final     | _                                | 3/4/05   |          |  |          |        |   |          |                                     |          |
|           | 51                               | ÷  |          |  |          |        |   |          |                                     |          |
|           | 52                               | +  |          | -  |          | _      | _ | -        |                                     | _        |
| $\vdash$  | 51<br>52<br>53                   | Н  |          | $\vdash$   |          |        | _ | -        | -                                   |          |
| -         | 53                               | Н  |          |  | $\vdash$ |        |   | $\vdash$ | _                                   | _        |
| -         | 54<br>55                         | Н  |          | -  |          |        | _ | -        | $\vdash$                            |          |
|           | 55                               | Н  |          | _  |          | _      |   |          |                                     |          |
| ļ         | 56                               | Н  |          |  | _        |        |   |          | _                                   | _        |
|           | 57                               | Ш  |          |  |          |        |   |          |                                     | L.       |
| <u> </u>  | 57<br>58                         | Ш  |          |  |          |        |   |          | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ |          |
|           | 59<br>60                         | Ш  |          |  |          | _      |   |          |                                     |          |
|           | 60                               | Ш  |          |  |          |        |   |          |                                     | L_       |
|           | 61                               |  |          |  |          |        |   |          |                                     |          |
|           | 62                               |  |          |  |          |        |   |          |                                     |          |
|           | 62<br>63                         | П  |          |  |          |        |   |          |                                     |          |
|           | 64                               |  |          | Г  |          |        |   |          |                                     |          |
|           | 65                               |  |          |  |          |        |   |          |                                     |          |
|           | 65<br>66                         | $\sqcap$   |          |  |          |        |   |          |                                     |          |
|           | 67                               | П  |          |  |          |        |   |          |                                     |          |
| · · · · · | 68                               | П  |          |  |          |        |   |          |                                     |          |
|           | 69                               |  |          |  |          |        |   |          |                                     |          |
|           | 70                               | П  |          | _  |          |        |   |          |                                     |          |
|           | 71                               | П  |          |  |          |        |   |          |                                     |          |
|           | 72                               | П  |          |  |          |        |   |          |                                     |          |
|           | 73                               | 4  |          |  |          |        |   |          |                                     |          |
|           | 74                               | _  |          |  |          |        |   |          |                                     |          |
|           | 70<br>71<br>72<br>73<br>74<br>75 |  |          |  |          |        |   |          |                                     |          |
|           | 76<br>77                         | -  |          |  |          |        |   |          |                                     |          |
|           | 77                               |  |          |  |          |        |   |          |                                     |          |
|           | 78<br>79                         |  |          |  |          |        |   |          | _                                   |          |
|           | 79                               |  |          |  |          | _      |   |          |                                     |          |
|           | 80                               | $\vdash$   |          | _  |          |        |   | _        | _                                   |          |
|           | 81                               |  |          | _  | $\vdash$ |        |   |          |                                     |          |
| <u> </u>  | 81<br>82<br>83                   |  |          |  | -        |        |   | _        | _                                   |          |
|           | 83                               | $\vdash$   |          | $\vdash$   | $\vdash$ |        | _ |          | -                                   |          |
|           | 84                               | Г  | Ι        | H  | $\vdash$ |        |   |          | П                                   |          |
|           | 84<br>85                         | <del>                                     </del> | $\vdash$ | <del>                                     </del> |          |        | _ | Н        | Н                                   |          |
|           | 86                               | _  | -        | Ι-   | Н        |        | П | Н        |                                     |          |
|           | 87                               | -  | -        | _  |          |        |   |          |                                     |          |
|           | 88                               | $\vdash$   | $\vdash$ | $\vdash$   | $\vdash$ |        | П |          | П                                   | $\vdash$ |
|           | 89                               |  |          |  |          |        |   | -        |                                     |          |
|           | 90                               | <del>                                     </del> | $\vdash$ | t  | П        |        |   |          |                                     |          |
|           | 91                               | $\vdash$   | $\vdash$ |  |          |        |   |          | H                                   |          |
|           | 92                               |  |          | <del>                                     </del> |          |        |   |          | -                                   |          |
|           | 93                               | <del>                                     </del> | $\vdash$ | <del>                                     </del> |          |        |   |          |                                     |          |
|           | 94                               | $\vdash$   |          | T  |          |        |   |          |                                     |          |
|           | 95                               | Г  |          |  |          |        |   |          |                                     |          |
|           | 96                               |  | <u> </u> |  |          |        |   |          |                                     |          |
|           | 97                               |  |          |  | П        |        |   |          | Г                                   |          |
|           | 98                               | Г  | Г        | Г  | П        |        |   |          |                                     | Г        |
|           | 99                               | T  |          | Т  |          | $\Box$ |   |          |                                     |          |
| $\vdash$  | 100                              | <del></del>                                      | $\vdash$ | Η-   |          | _      | т | _        | $\vdash$                            | $\vdash$ |

| Cli   | Date  |          |    |          |          |   |  |              |          |                 |
|-------|---|----------|----|----------|----------|---|--|--------------|----------|-----------------|
|       |   |          |    |          |          |   |  |              |          | П               |
| Final | Original  |          |    |          |          |   |  |              |          |                 |
|       | 101<br>102  |          |    |          |          |   |  |              |          |                 |
|       | 102   |          |    |          |          |   |  |              |          |                 |
|       | 103   |          |    |          |          |   |  |              |          | Ш               |
|       | 104   |          |    |          |          |   |  |              |          |                 |
|       | 105   |          |    |          |          |   |  |              |          | _               |
|       | 106   |          |    |          |          |   |  |              | _        |                 |
|       | 103<br>104<br>105<br>106<br>107<br>108  |          |    |          |          |   |  |              | _        |                 |
|       | 108   |          |    | <u> </u> | -        |   |  |              |          | -               |
|       | 110   |          |    |          | -        | - | _  | -            |          | $\dashv$        |
| -     | 111   | _        | _  | -        |          |   |  | -            |          | Н               |
|       | 112   | -        | -  | -        | -        |   | -  |              | -        | $\vdash$        |
|       | 113   |          | -  | $\vdash$ | -        |   | -  |              |          | Н               |
|       | 109<br>110<br>111<br>112<br>113<br>114<br>115<br>116<br>117<br>118<br>119<br>120<br>121<br>122<br>123<br>124<br>125<br>126<br>127<br>128<br>129<br>130<br>131<br>132<br>133 |          |    |          |          | _ | _  | _            |          | П               |
|       | 115   | _        | _  | $\Box$   |          |   |  |              |          |                 |
|       | 116   |          |    |          |          |   |  |              |          |                 |
|       | 117   |          |    |          |          |   |  |              |          |                 |
|       | 118   |          |    |          |          |   |  |              |          |                 |
|       | 119   |          |    |          |          |   |  |              |          |                 |
|       | 120   |          |    |          |          |   |  |              |          |                 |
|       | 121   |          |    |          | _        | _ |  | _            |          | Щ               |
|       | 122   | _        |    | _        |          |   |  |              |          |                 |
|       | 123   |          | _  |          |          |   |  | -            |          |                 |
| -     | 124   |          |    |          |          |   |  | -            |          |                 |
|       | 125   |          |    | Н        | H        |   |  | -            |          |                 |
|       | 127   |          |    | $\vdash$ |          |   | $\vdash$   | -            |          | Н               |
|       | 128   |          |    |          | H        |   | H  | $\vdash$     |          |                 |
|       | 129   |          |    | $\vdash$ | _        |   |  | _            | _        | Н               |
|       | 130   |          |    |          | _        |   |  |              |          | П               |
|       | 131   |          |    |          |          |   |  |              |          |                 |
|       | 132   |          |    |          |          |   |  |              |          |                 |
|       | 133   |          |    |          |          |   |  |              |          |                 |
|       | 134   |          |    |          |          |   |  |              | _        | Ш               |
|       | 135<br>136<br>137   |          | L_ | _        | L.       |   | _  | $oxed{oxed}$ | _        |                 |
|       | 136   | _        | _  |          |          |   |  |              | _        | _               |
|       | 137   |          |    | H        | _        |   |  | _            | _        | Ш               |
|       | 138<br>139  | $\vdash$ | _  | H        | <u> </u> | _ |  | _            | _        | $\vdash$        |
| ļ     | 140   | $\vdash$ | _  | H        | -        | _ | -  | -            | -        | Н               |
|       | 141   |          | _  | -        |          | _ | -  |              | $\vdash$ | Н               |
|       | 142   |          |    | -        | Η-       | - | <del>                                     </del> | ┝            | -        | Н               |
|       | 143   |          | _  |          |          |   | Н  | $\vdash$     | ┢        | Н               |
|       | 144   |          | _  |          | $\vdash$ |   | Н  | Н            | Н        | $\vdash \vdash$ |
|       | 145   | П        |    |          |          |   | $\vdash$   |              |          | П               |
|       | 146   | Г        |    |          | Γ        |   |  |              | Г        | П               |
|       | 147   |          |    |          |          |   |  |              | L        |                 |
|       | 148   |          |    |          |          |   |  |              |          |                 |
|       | 149   |          |    |          |          |   | 匚  |              |          |                 |
|       | 150   |          |    |          |          |   |  |              |          | $\square$       |